

IN THE CLAIMS:

Please amend claim 32 as follows, and cancel claims 42-50 without prejudice or disclaimer as follows.

1. (Previously Presented) A method, comprising:
allocating a plurality of sets of sequential subcarriers in a multicarrier modulation communication system to a plurality of users, wherein the size of a set of sequential subcarriers is greater than the smallest coherence bandwidth of the plurality of users.

2-11. (Cancelled)

12. (Previously Presented) A method as defined in claim 1, wherein the size of a set of sequential subcarriers comprises a power of two.

13-14. (Cancelled)

15. (Previously Presented) A method as defined in claim 1, wherein within an allocation period each set of sequential subcarriers is of the same size.

16-17. (Cancelled)

18. (Original) A method as defined in claim 1, wherein said allocating the plurality of sets of sequential subcarriers comprises taking into account channel properties of at least one user.

19-20. (Cancelled)

21. (Previously Presented) A device , configured to:
allocate a plurality of sets of sequential subcarriers in a multicarrier modulation communication system to a plurality of users in an allocation period, wherein the size of a set of sequential subcarriers is greater than the smallest coherence bandwidth of the plurality of users.

22. (Previously Presented) A device as defined in claim 21, which is a network element for a cellular telecommunications network.

23. (Previously Presented) A multicarrier modulation communication system, configured to:

allocate a plurality of sets of sequential subcarriers to a plurality of users in an allocation period, wherein the size of a set of sequential subcarriers is greater than the smallest coherence bandwidth of the plurality of users.

24. (Previously Presented) A method, comprising:

transmitting at least one signal relating to at least one set of sequential subcarriers in a multicarrier modulation communication system among a plurality of sets of sequential subcarriers allocated in an allocation period to a plurality of users, wherein the size of a set of sequential subcarriers is greater than the smallest coherence bandwidth of the plurality of users.

25. (Original) A method as defined in claim 24, further comprising:

allocating the plurality of sets of sequential subcarriers for transmitting information to the plurality of users.

26. (Original) A method as defined in claim 25, further comprising:

transmitting a plurality of signals to the plurality of users.

27. (Original) A method as defined in claim 24, further comprising:

allocating the plurality of sets of sequential subcarriers for transmitting information from the plurality of users.

28. (Previously Presented) A method, comprising:

receiving at least one signal relating to at least one set of sequential subcarriers in a multicarrier modulation communication system among a plurality of sets of sequential subcarriers allocated to a plurality of users in an allocation period, wherein the size of a

set of sequential subcarriers is greater than the smallest coherence bandwidth of the plurality of users.

29. (Original) A method as defined in claim 28, further comprising:
allocating the plurality of sets of sequential subcarriers for receiving information from the plurality of users.

30. (Original) A method as defined in claim 29, further comprising:
receiving a plurality of signals from the plurality of users.

31. (Original) A method as defined in claim 28, further comprising:
allocating the plurality of sets of sequential subcarriers for receiving information in the plurality of users.

32. (Currently Amended) A device configured to:
transmit at least one signal relating to at least one set of sequential subcarriers in a multicarrier modulation communication system among a plurality of sets of sequential subcarriers allocated to the plurality of users in an allocation period, wherein the size of a set of sequential subcarriers ~~if~~is greater than the smallest coherence bandwidth of the plurality of users.

33. (Original) A device as defined in claim 32, wherein the plurality of sets of sequential subcarriers is allocated for transmitting information to the plurality of users.

34. (Original) A device as defined in claim 32, wherein the plurality of sets of sequential subcarriers is allocated for transmitting information from the plurality of users, the device corresponding to at least one of the users.

35. (Previously Presented) A device, configured to:
receive at least one signal relating to at least one set of sequential subcarriers in a multicarrier modulation communication system among a plurality of sets of sequential subcarriers allocated to a plurality of users in an allocation period, wherein the size of a set of sequential subcarriers is greater than the smallest coherence bandwidth of the plurality of users.

36. (Original) A device as defined in claim 35, wherein the plurality of sets of sequential subcarriers is allocated for receiving information from the plurality of users.

37. (Original) A device as defined in claim 35, wherein the plurality of sets of sequential subcarriers is allocated for receiving information in the plurality of users, the device corresponding to at least one of the users.

38. (Original) A device as defined in claim 34, the device further configured to allocate the plurality of sets of sequential subcarriers.

39. (Original) A device as defined in claim 34, wherein the device is for a cellular telecommunications network.

40. (Previously Presented) A transmitter, comprising:
an allocating unit configured to allocate a plurality of sets of sequential subcarriers in a multicarrier modulation communication system to a plurality of users, wherein the size of a set of sequential subcarriers is greater than the smallest coherence bandwidth of the plurality of users; and

a transmitting unit configured to transmit at least one signal to the users, wherein the signal comprises information of at least one of said plurality of sets of sequential subcarriers.

41. (Previously Presented) A receiver, comprising:
a receiving unit configured to receive at least one signal, wherein the signal relates to at least one set of sequential subcarriers in a multicarrier modulation communication system among a plurality of sets of sequential subcarriers allocated to a plurality of users, wherein the size of a set of sequential subcarriers is greater than the smallest coherence width of the plurality of users; and

an operating unit configured to operate the receiving unit to use the at least one set of sequential subcarriers.

42-50. Cancelled

51. (Previously Presented) A method as defined in claim 18, wherein the channel properties include the channel response of at least one user for each set.

52. (Previously Presented) A method as defined in claim 51, wherein the channel response for a set is measured for one of the plurality of subcarriers of the set.

53. (Previously Presented) A method as defined in claim 51, wherein the channel response for a set is measured at the lowest subcarrier of the set.